

Rat High sensitivity C-Reactive Protein ELISA Kit | Hs-CRP elisa kit

Rat High sensitivity C-Reactive Protein ELISA Kit

CATALOG #
AAA87734

REACTIVITY
Rat

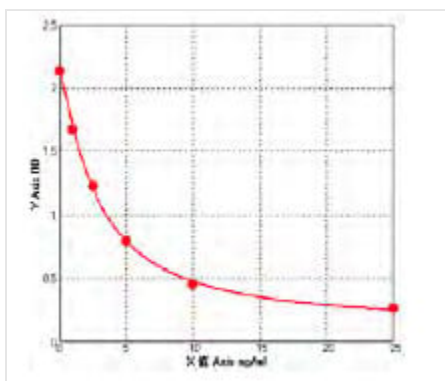
PRODUCT SYNONYMS

High sensitivity C-Reactive Protein; Rat High sensitivity C-Reactive Protein ELISA Kit; Hs-CRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hs-CRP elisa kit

Intended Uses: This Hs-CRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Hs-CRP. This ELISA kit for research use only!

Principle of the Assay: Hs-CRP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Hs-CRP antibody and an Hs-CRP-HRP conjugate. The assay sample and buffer are incubated together with Hs-CRP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Hs-CRP concentration since Hs-CRP from samples and Hs-CRP-HRP conjugate compete for the anti-Hs-CRP antibody binding site. Since the number of sites is limited, as more sites are occupied by Hs-CRP from the sample, fewer sites are left to bind Hs-CRP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Hs-CRP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17975775
NCBI GeneID	1401
Molecular Weight	10,415 Da
NCBI Official Full Name	CRP
NCBI Official Synonym Full Names	C-reactive protein, pentraxin-related
NCBI Official Symbol	CRP
NCBI Official Synonym Symbols	PTX1
NCBI Protein Information	C-reactive protein; pentraxin 1
UniProt Protein Name	C-reactive protein
UniProt Gene Name	CRP
UniProt Synonym Gene Names	PTX1
UniProt Entry Name	CRP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/hs-crp-rat-elisa-kits/high-sensitivity-c-reactive-protein/87734>